

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-K-15152-01-00 according to ISO/IEC 17025:2005

Period of validity: 2016-08-05 to 2021-08-04

Date of issue: 2016-08-05

Holder of certificate:

DSM Messtechnik GmbH
Dieselstraße 16, 73431 Aalen, Germany

Head: Dipl.-Ing. (FH) Arthur Schiele
Deputy: Thomas Schips

Accredited since: 1997-06-26

Calibrations in the fields:

Mechanical quantities

- Torque

Electrical quantities

- DC and low frequency
 - DC voltage
 - DC current
 - DC voltage ratio

Permanent Laboratory

Measured quantity / Calibration item	Range	Measurement conditions / procedure	Best measurement capability ¹⁾	Remarks
Torque Torque measuring systems torque sensors	0,5 N·m to 1000 N·m	DIN 51309: 2005	0,1 %	Calibration of Torque measuring chain the class $\geq 0,5$
DC and low frequency DC voltage	1 mV to 10 mV > 0,01 V to 250 V		$3,6 \cdot 10^{-3}$ $0,40 \cdot 10^{-3}$	
DC current	2 mA to 20 mA		$1,5 \cdot 10^{-3}$	
DC voltage ratio	0,1 mV/V to 2 mV/V > 2 mV/V to 10 mV/V	input voltage: 10 V to 15 V	0,5 μ V/V 1,4 μ V/V	

Abbreviations used:

DIN German Institute for Standardization

¹⁾ The best measurement capabilities are stated according to EA-4/02. These are expanded uncertainties of measurement with a coverage probability of 95% and have a coverage factor of $k = 2$ unless stated otherwise. Uncertainties without unit are relative uncertainties referring to the measurement value unless stated otherwise.